

FIG. 1

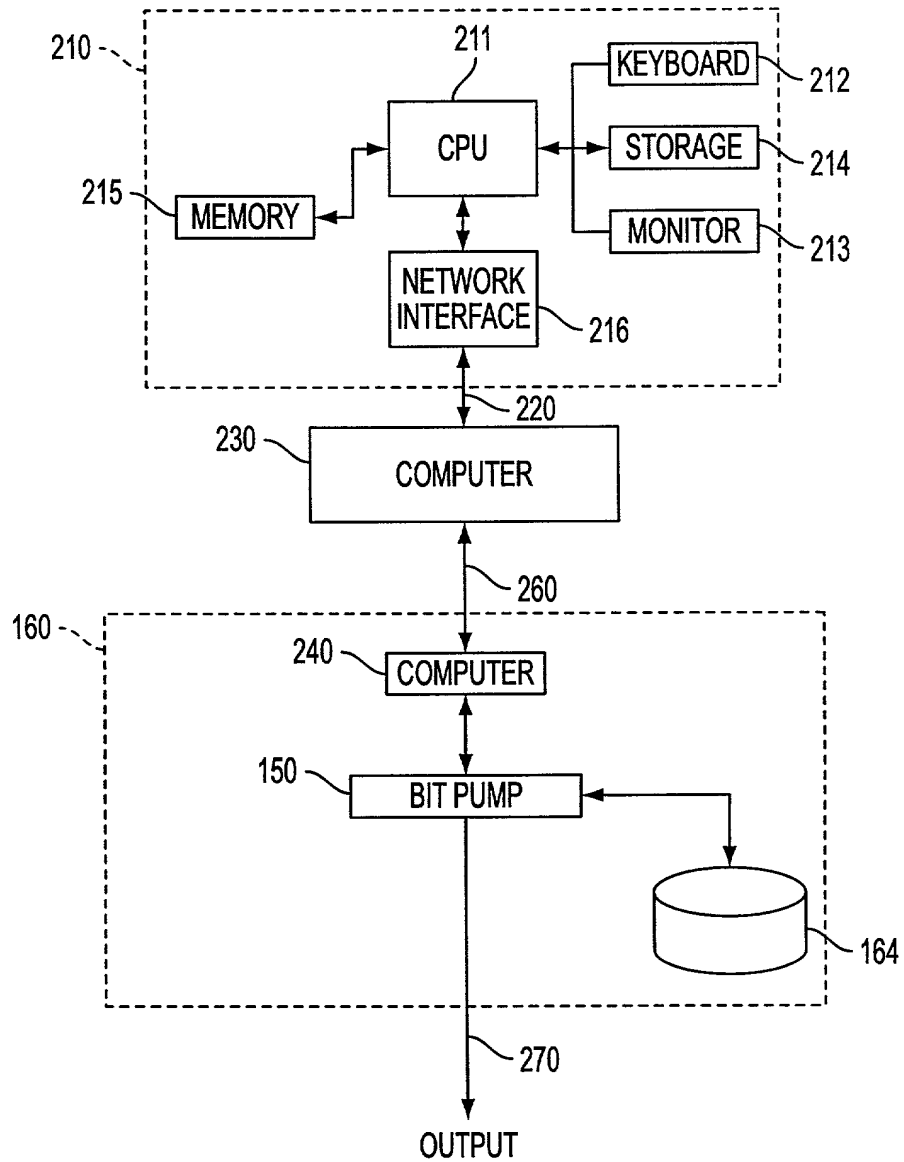


FIG. 2

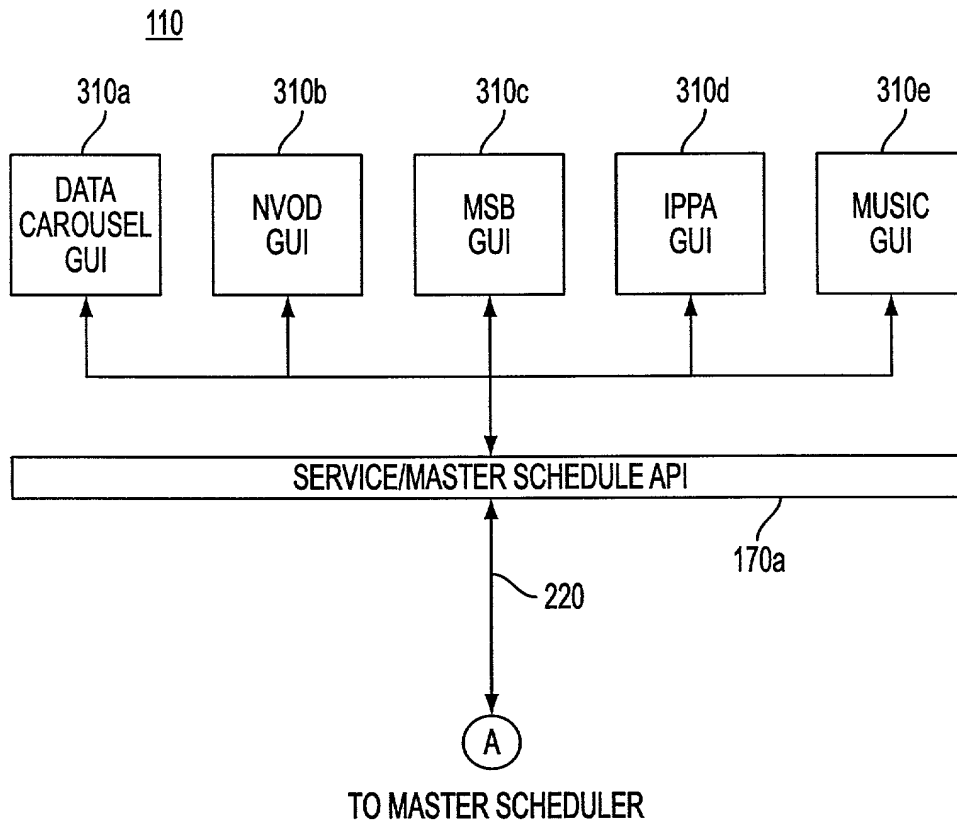


FIG. 3A

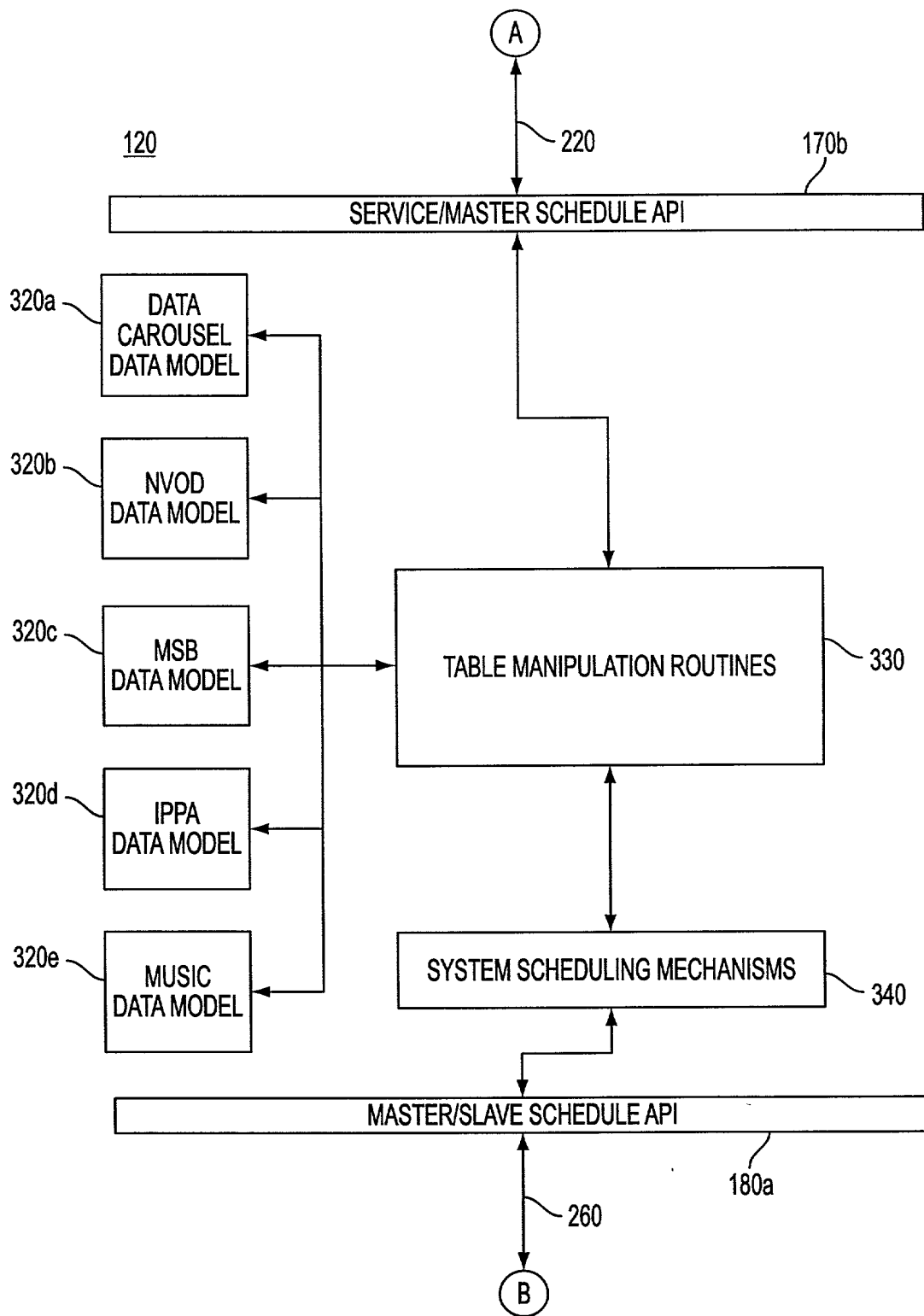


FIG. 3B

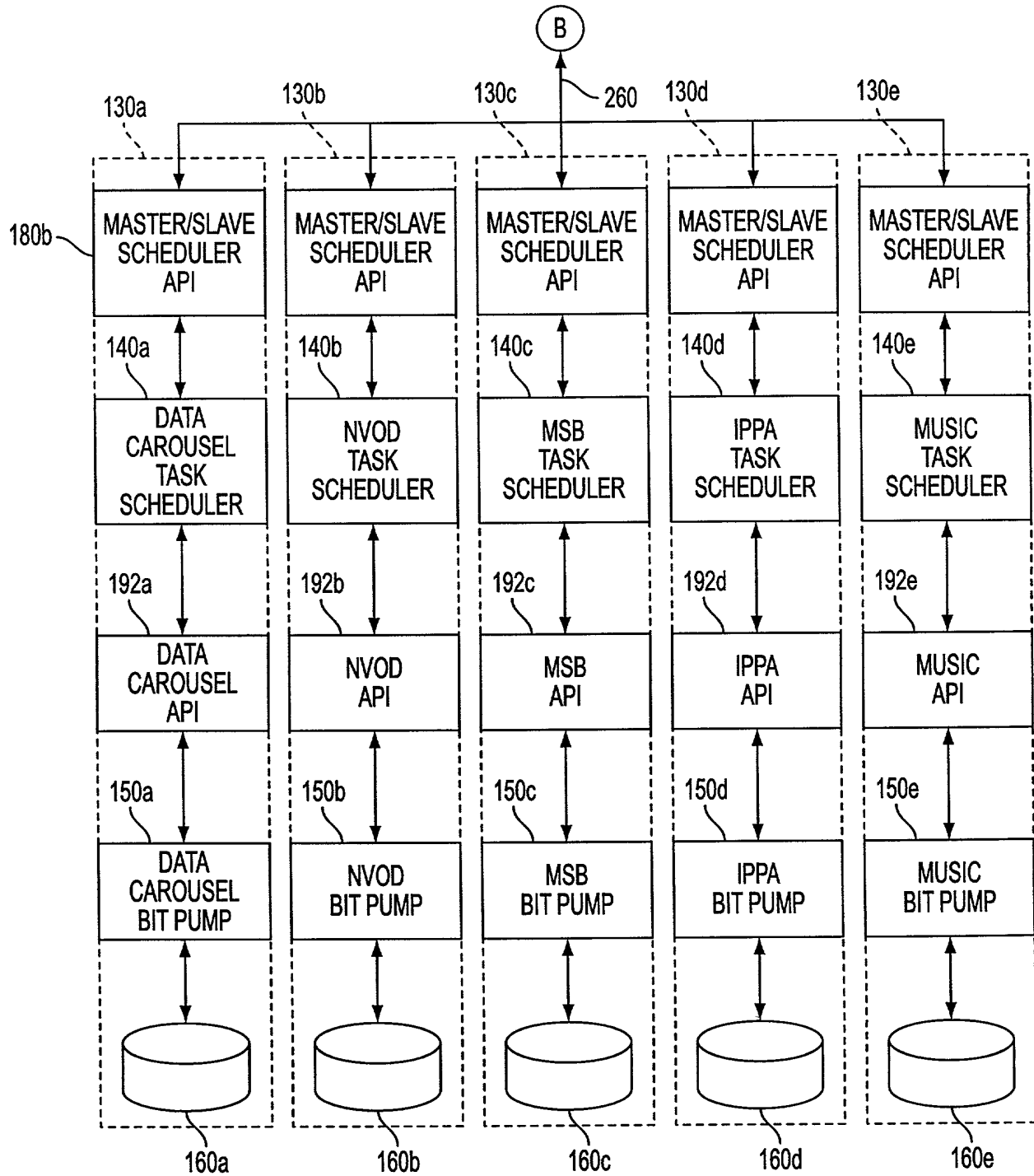


FIG. 3C

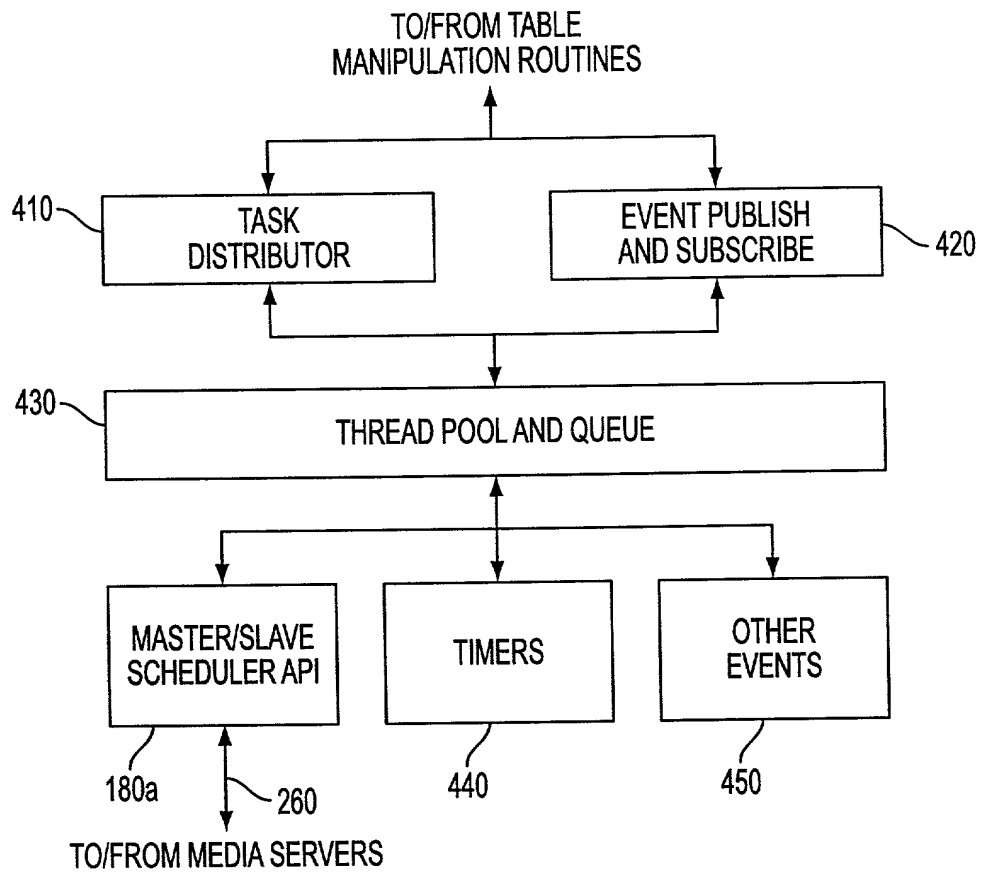


FIG. 4A

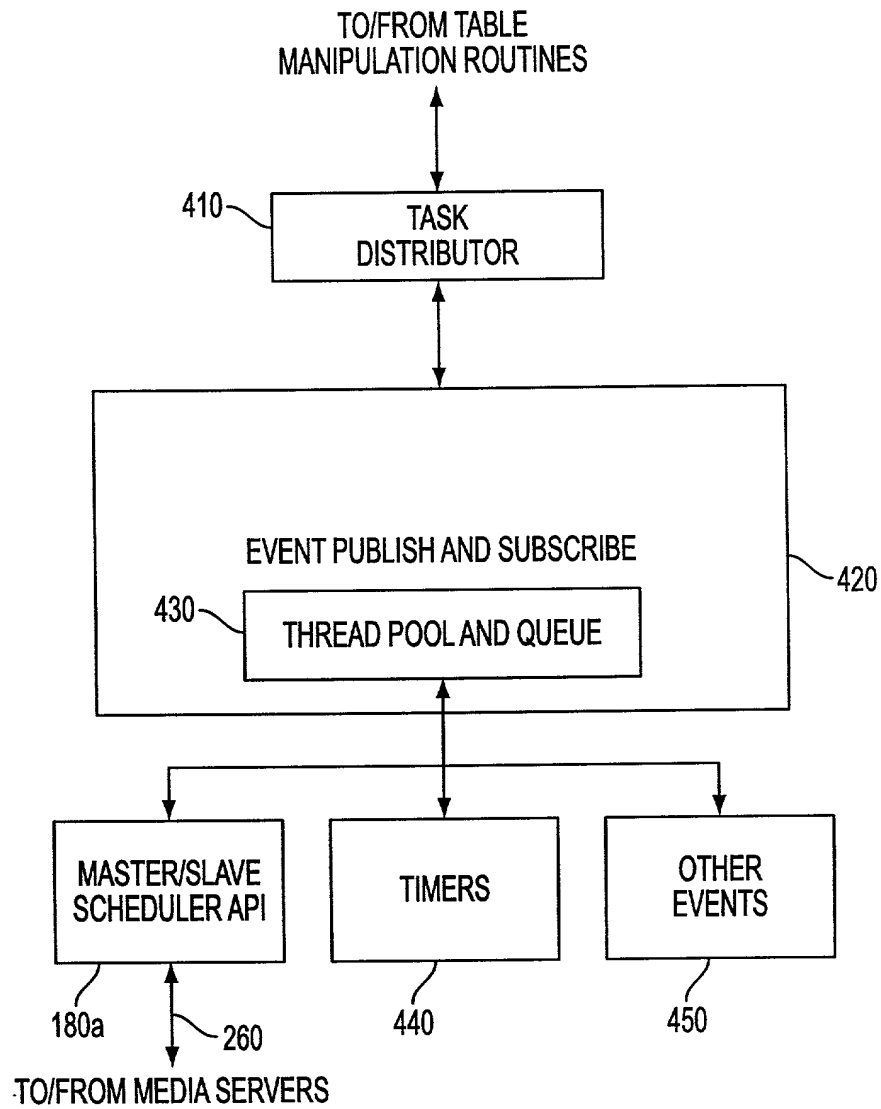
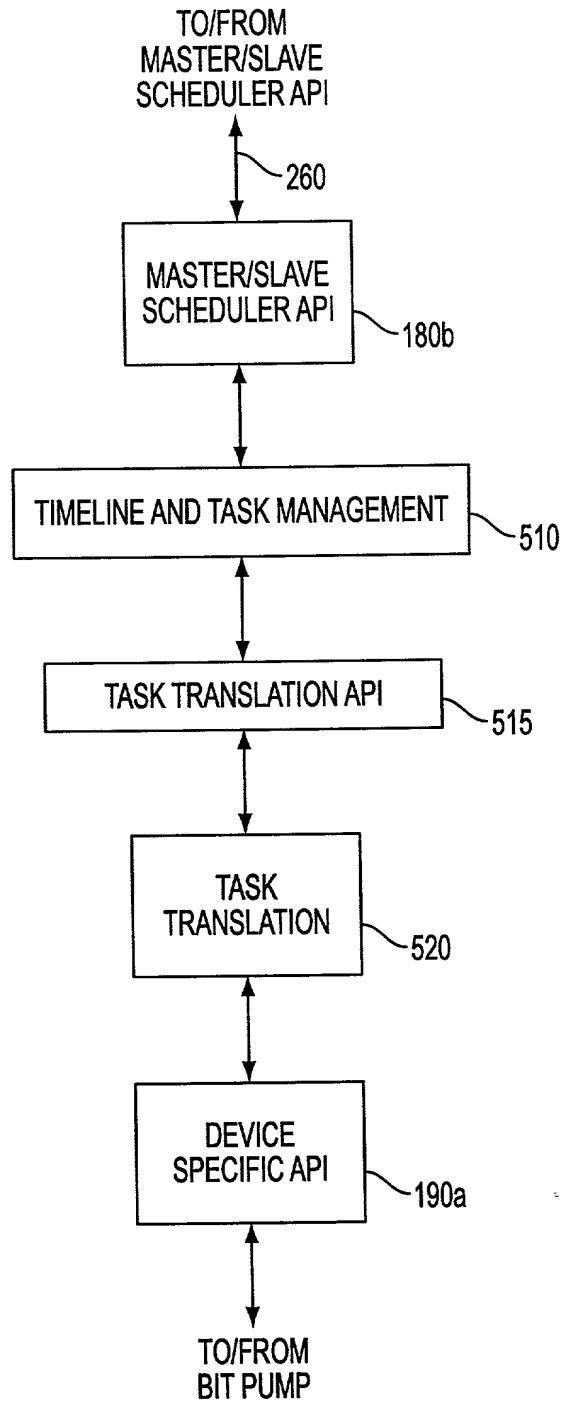


FIG. 4B

**FIG. 5**

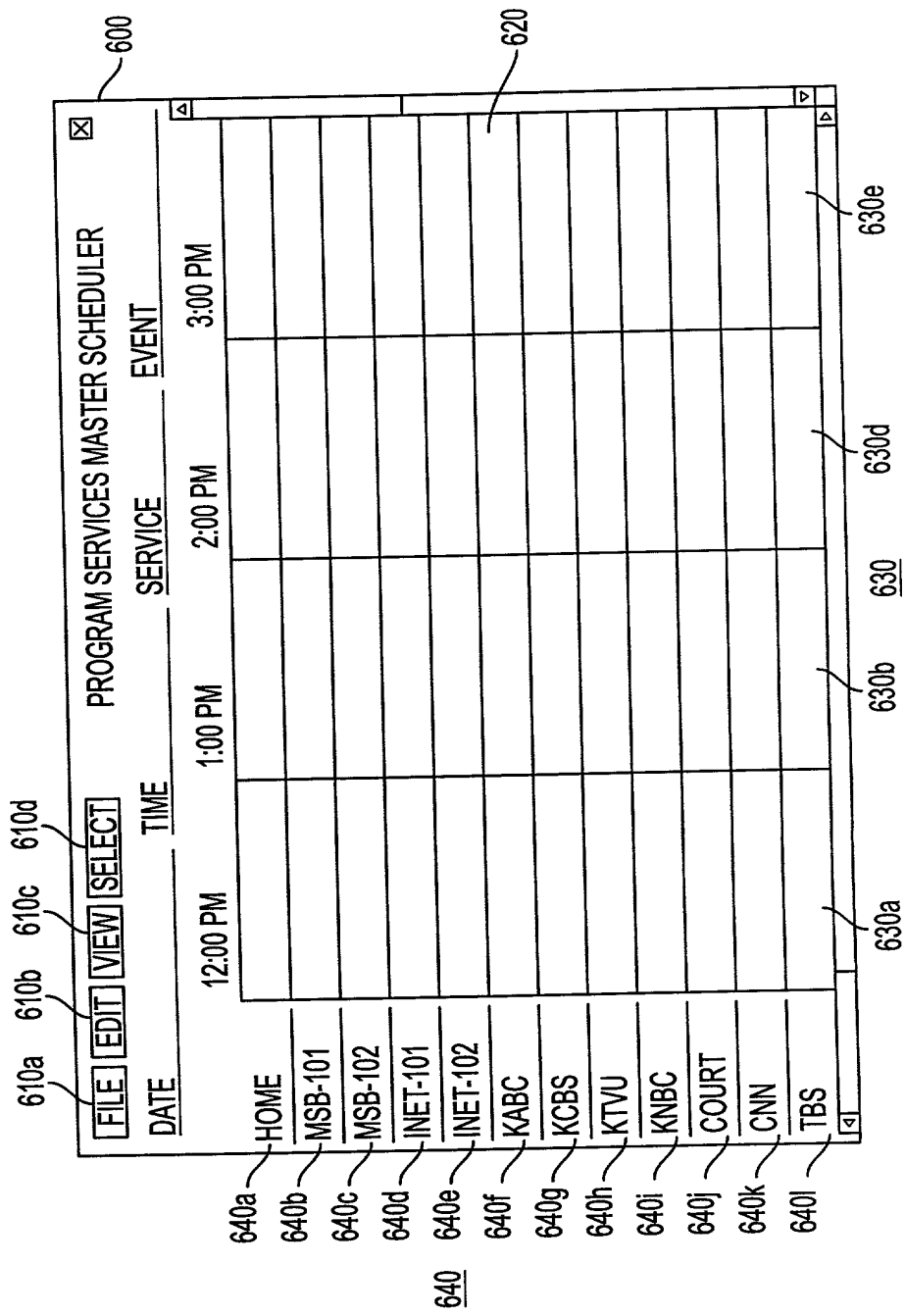


FIG. 6

622a

PROGRAM SERVICES MASTER SCHEDULER			
FILE	EDIT	VIEW	SELECT
DATE AUGUST 26TH, 1997 TIME 01:30 TO 02:00 SERVICE MSB-101 EVENT config1.dat			
	12:00 PM	1:00 PM	2:00 PM
HOME			
MSB-101		MSB config1.dat	
MSB-102	MSB config2.dat		
INET-101			INET c:\lppalser
INET-102			
KABC	TV ESPY		
KCBS			
KTVU			
KNBC			
COURT			
CNN			
TBS			

622b

622d

622c

FIG. 8

☐ **FILE** **EDIT** **VIEW** **SELECT** **PROGRAM SERVICES MASTER SCHEDULER** ☒

DATE AUGUST 26TH, 1997 **TIME** 12:00 TO 01:00 **SERVICE** KABC **EVENT** ESPY.MPG

	12:00 PM	1:00 PM	2:00 PM	3:00 PM
HOME				
MSB-101		MSB \config1.dat		
MSB-102	MSB \config2.dat			
INET-101			INET c:\lppalser	
INET-102				
KABC	TV ESPY			
KCBS				
KTVU				
KNBC				
COURT				
CNN				
TBS				

622d

1001

FIG. 10

TV | ESPY

PROGRAM SERVICES MASTER SCHEDULER

DATE AUGUST 26TH, 1997 TIME 12:00 TO 01:00 SERVICE KABC EVENT sworks.2mt

	12:00 PM	1:00 PM	2:00 PM	3:00 PM
HOME				
MSB-101		MSB config1.dat		
MSB-102	MSB config2.dat			
INET-101			INET c:\ippalser	
INET-102				
KABC	TV ESPY			
KCBS	GDC sworks.2mt			
KTVU				
KNBC				
COURT				
CNN				
TBS				

1001
 622d
 1101

FIG. 11

FILE

EDIT

VIEW

SELECT

PROGRAM SERVICES MASTER SCHEDULER

DATE

AUGUST 26TH, 1997

TIME

12:00 TO 01:00

SERVICE

KABC

EVENT

sworks.2mt

	12:00 PM	1:00 PM	2:00 PM	3:00 PM
HOME				
MSB-101		MSB lconfig1.dat		
MSB-102	MSB lconfig2.dat			
INET-101			INET c:lippalser	
INET-102				
KABC	TV ESPY	ADD	ALT+A	
KCBS	GDC sworks.2mt	INSERT	ALT+I	
KTVU		OPEN	ALT+O	
KNBC		DETAILS	ALT+E	
COURT		REMOVE	ALT+D	
CNN				
TBS				

FIG. 12

FILE

EDIT

VIEW

SELECT

PROGRAM SERVICES MASTER SCHEDULER

☒

DATE AUGUST 26TH, 1997 TIME 12:00 TO 01:00 SERVICE KABC EVENT sworks.2mt

INET-101				INET c:ippalser
INET-102				
KABC	TV ESPY			
KCBS	GDC sworks.2mt			
KTVU	START DATE	1997-08-26		
KNBC	START TIME	12:00		
COURT	STOP DATE	1997-08-26		
CNN	STOP TIME	01:00		
TBS		CANCEL	DONE	
BET				
DCH				
SHO				
HBO				

1101

1302

1303

1304

1305

1301

FIG. 13

622a 1401

FILE

EDIT

VIEW

SELECT

PROGRAM SERVICES MASTER SCHEDULER ☒

DATE AUGUST 26TH, 1997 TIME 01:30 TO 02:00 SERVICE MSB-101 EVENT config1.dat

	12:00 PM	1:00 PM	2:00 PM	3:00 PM
HOME				
MSB-101		MSB config1.dat		
MSB-102	MSB config2.dat			
INET-101			INET c:lippalser	
INET-102				
KABC	TV ESPY			
KCBS				
KTVU				
KNBC				
COURT				
CNN				
TBS				

FIG. 14

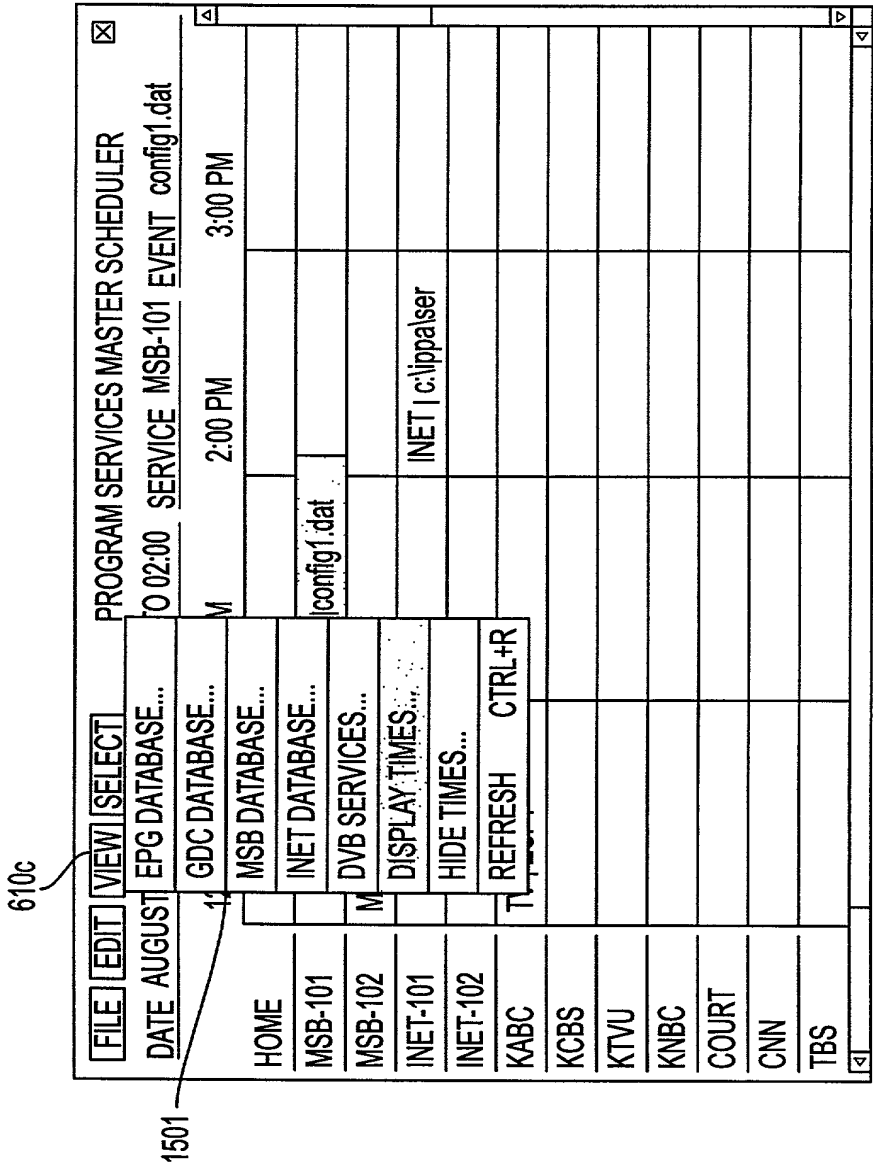


FIG. 15

FILE

EDIT

VIEW

SELECT

DATE

AUGUST

HOME

MSB-101

MSB-102

INET-101

INET-102

KABC

KCBS

KTVU

KNBC

COURT

CNN

TBS

1601

622c

1601a

PROGRAM SERVICES MASTER SCHEDULER

TO 02:00

SERVICE MSB-101

EVENT config1.dat

EPG DATABASE...

GDC DATABASE...

MSB DATABASE...

INET DATABASE...

DVB SERVICES...

DISPLAY TIMES...

HIDE TIMES...

REFRESH

CTRL+R

M

2:00 PM

3:00 PM

D-02:30 MSB [config1.dat]

INET | c:\ppalser

FIG. 17

SELECT	INSERT	UPDATE	DELETE	CLEAR	GDC DATABASE			<input checked="" type="checkbox"/>
AssetURL					ProgramID	SpoolID	Bandwidth	QueueSlot
/americast/code/input/sworks.m2t					201	1	5300000	P
/americast/code/input/ESPY.MPG					401	1	5300000	P
ESPY.MPG					402	1	10	D
sworks.2mt					403	1	10	D
ESPY.MPG					404	1	10	D
sworks.2mt					405	1	10	D
ESPY.MPG					406	1	10	D
sworks.2mt					407	1	10	D
ESPY.MPG					1004	100	10	P
ESPY.MPG					1008	100	10	P
ESPY.MPG					1032	100	10	P
dummy.xyp					1034	100	10	P
sworks.2mt					1036	100	10	P
ESPY.MPG					1056	100	10	P
</								

FIG. 20

MSB DATABASE

PROGRAMS

EVENTS

TYPES

SELECT

CLEAR

INSERT

UPDATE

DELETE

ProgramID....

1010

START DATE...

1997-08-26

START TIME...

12:00:00

CombinerID...

102

END DATE.....

1997-08-26

END TIME...

01:00:00

ProgramID	Combid	StartDate	StartTime	StopDate	StopTime
100	102	1997-09-05	23:59:00	1997-09-05	23:59:30
200	103	1997-09-05	23:59:00	1997-09-05	23:59:30
1010	102	1997-08-26	12:00:00	1997-08-26	01:00:00
1018	102	1997-08-26	12:00:00	1997-08-26	01:00:00
1020	102	1997-08-26	12:00:00	1997-08-26	01:00:00
1022	102	1997-08-26	12:00:00	1997-08-26	01:00:00
1024	102	1997-08-26	12:00:00	1997-08-26	01:00:00
1026	102	1997-08-26	12:00:00	1997-08-26	01:00:00
1028	102	1997-08-26	12:00:00	1997-08-26	01:00:00
1038	102	1997-08-26	12:00:00	1997-08-26	01:00:00
1040	102	1997-08-26	12:00:00	1997-08-26	01:00:00
1042	102	1997-08-26	12:00:00	1997-08-26	01:00:00

1911

2110

2111

2112

2113

2114

FIG. 21

[illegible]

2310

FIG. 23A

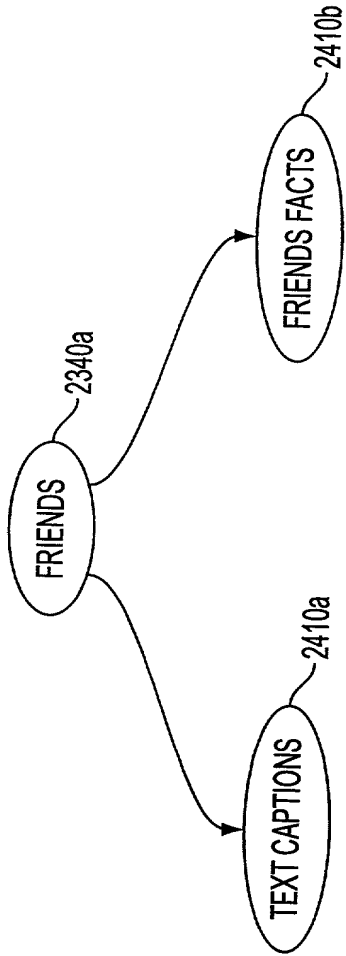


FIG. 24C

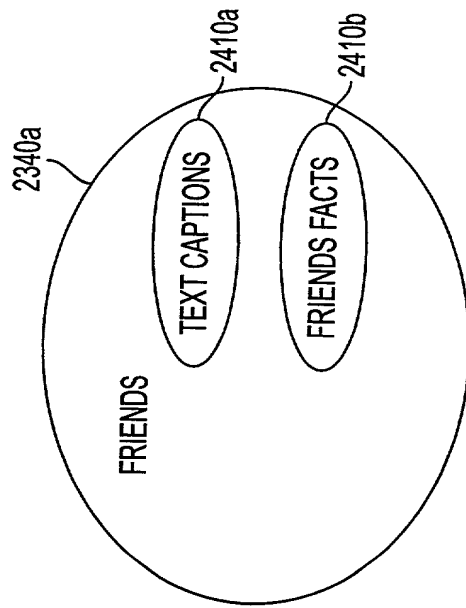


FIG. 24D

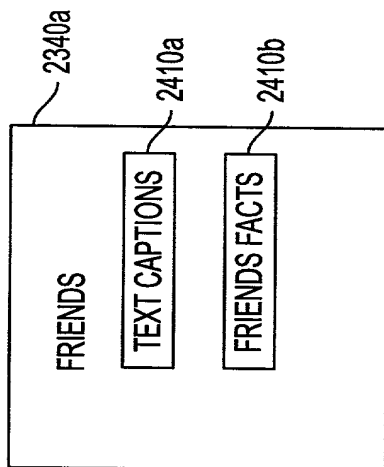


FIG. 24E

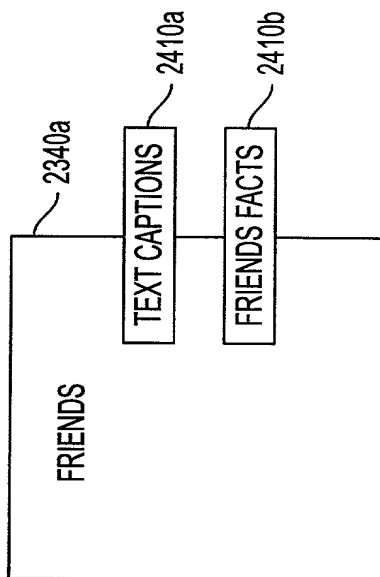


FIG. 24F

2610				
2620a	2620b	2620c	2620d	2620e
eventID	FILENAME	SIZE	PID	TRANSPONDER
2610a	TEXT_CAPTIONS.txt	50K	90037	3

FIG. 26

2710		
2720a	2720b	2720c
eventID	URL	PID
2710a	FRIENDS_FACTS.sdf	80716

FIG. 27

2810

2610a

eventID	FILENAME	SIZE	PID	TRANSPONDER
4	STAR TREK IV	500 MEG	90020	10

2820a 2820b 2820c 2820d 2820e

2820

2800

FIG. 28

2910		2920	
2920a	2920b		
eventID	CHANGE TYPE		
1	CHANGE TIME		

FIG. 29

3010		3020	
3020a	3020b	3020c	
eventID	CHANGE TYPE	REGISTERED PROCEDURE	
1	CHANGE TIME	Tmr_ChangeEventTime (2, <NEW TIME>)	
1	CHANGE TIME	Tmr_ChangeEventTime (3, <NEW TIME>)	

FIG. 30

2510		2520		2520		2520		2520		2520		2520		2520		2520		2520					
2510a		2510b		2510c		2510d		2510e		2520a		2520b		2520c		2520d		2520e		2520f		2520g	
eventID		programID		CHANNEL		EVENT NAME		START TIME		END TIME		SERVICE TYPE											
1		1		52		FRIENDS		9:00pm		9:30pm		TV											
2		1		52		TEXT_CAPTIONS		9:00pm		9:30pm		DC											
3		1		52		FRIENDS_FACTS		9:00pm		9:30pm		IPPA											
4		5		75		STAR TREK IV		7:00pm		8:30pm		NVOD											
5		7		90		BOXING		7:00pm		8:30pm		TV											

FIG. 31

3210a DATE	3210b START TIME	3210c END TIME	3210d TASKID	3210e COMMAND	3210f CMD DATA	3210g ASSET LIST
1997-08-01	8:59:57pm	9:30pm	1:2	PLAY		TEXT_CAPTIONS.txt

3210a DATE	3210b START TIME	3210h EXEC TIME	3210c END TIME	3210d TASKID	3210e COMMAND	3210f CMD DATA	3210g ASSET LIST
1997-08-01	9:00pm	8:59:57pm	9:30pm	1:2	PLAY		TEXT_CAPTIONS.txt

3201

FIG. 32B

3210a	3210b	3210c	3210d	3210e	3210f	3210g
DATE	START TIME	END TIME	TASKID	COMMAND	CMD DATA	ASSET LIST
1997-08-01	8:59:57pm	9:30pm	1:3	PLAY		FRIENDS_FACTS.sdf

FIG. 33A

3210a	3210b	3210h	3210c	3210d	3210e	3210f	3210g
DATE	START TIME	EXEC TIME	END TIME	TASKID	COMMAND	CMD DATA	ASSET LIST
1997-08-01	9:00pm	8:59:57pm	9:30pm	1:3	PLAY		FRIENDS_FACTS.sdf

FIG. 33B

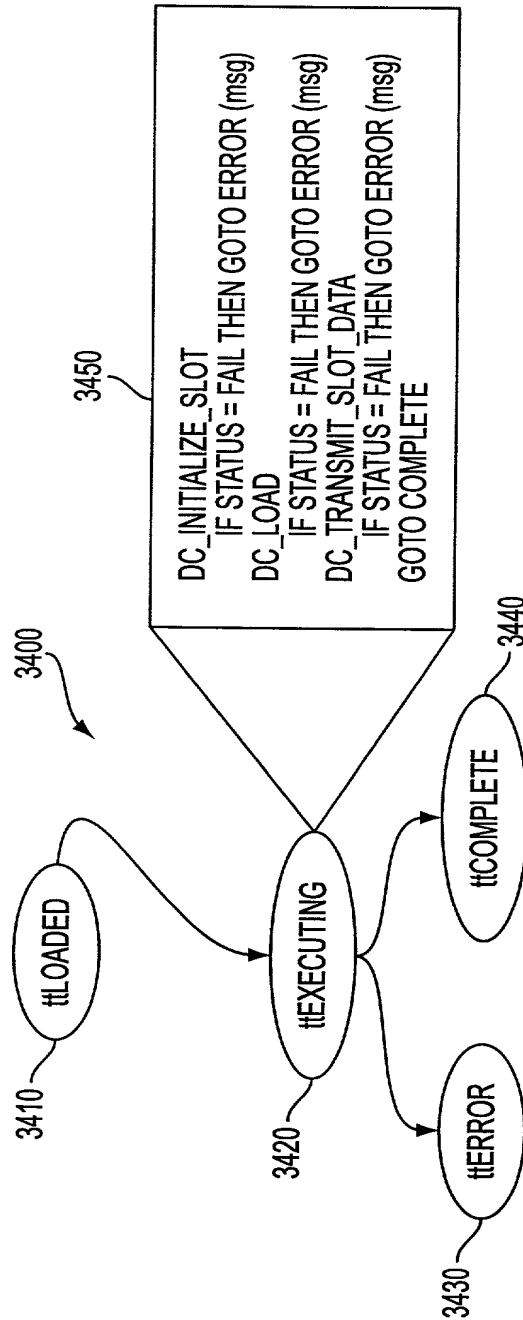


FIG. 34